|  |  |  |
| --- | --- | --- |
| http://t0.gstatic.com/images?q=tbn:ANd9GcTs2lVq-V50BwRlPhBLrrY-tNBJ8JXVZQOJZ9tB7NFv0R5vQEsk | **Methods 1 Revision:**  **Number Questions A** |  |

*There are 2 similar parts to each question, if you get help with the 1st part try to do the 2nd part by yourself.*

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| --- | --- | --- | --- | --- |
| **No.** | **Questions** | | | **Marks** |
| 1(a) | Given that: 34.5 x 87.3 = 3011.85  Write down the answer to 301.185 ÷ 0.345 | | | 1 |
| 1(b) | Given that: 728 ÷ 16 = 45.5  Write down the answer to 455 x 160 | | | 1 |
| 2(a) | (a) Write the following numbers as products of prime factors  (i) 56 (ii) 144  (b) Represent your factors on a copy of the Venn Diagram  (c) Find the Highest Common Factor of 56 and144.  (d) Work out the Lowest Common Multiple of 56 and144. | | 144  56 | 7 |
| 2(b) | (a) Write the following numbers as products of prime factors  (i) 196 (ii) 70  (b) Represent your factors on a Venn Diagram  (c) Find the Highest Common Factor of 196 and 70.  (d) Work out the Lowest Common Multiple of 196 and 70. | | | 7 |
| 3(a) | Convert these numbers into standard form:   1. 534 000 000, (ii) 0.000 000 067 | | | 4 |
| 3(b) | Convert these numbers into standard form:   1. 280 000 000 000, (ii) 0.000 000 000 543 | | | 4 |
| 4(a) | Convert these numbers from standard form:   1. 2.5 x 105, (ii) 7.34 x 10-7 | | | 2 |
| 4(b) | Convert these numbers from standard form:   1. 6.78 x 106, (ii) 1.2 x 10-5 | | | 2 |
| 5(a) | Calculate, writing your answer in standard form:   1. 2 x 105 x 3.3 x 1013, (ii) 5.5 x 105 ÷ 1.1 x 1011 | | | 4 |
| 5(b) | Calculate, writing your answer in standard form:   1. 3 x 10-7 x 5.2 x 1023, (ii) 9.6 x 105 ÷ 2.4 x 10-8 | | | 4 |
| 6(a) | Work out:   |  |  | | --- | --- | |  |  | |  |  | |  | | 4 |
| 6(b) | Work out:   |  |  | | --- | --- | |  |  | |  | | 4 |
| 7(a) | Find the value of (i) 640 , (ii)  , (iii) | | | 3 |
| 7(b) | Find the value of (i) 270 , (ii) 161/4, (iii) | | | 3 |
| 8(a) | |  |  |  |  | | --- | --- | --- | --- | | Simplify These | (a) | (b) | (c) | | | | 3 |
| 8(b) | |  |  |  |  | | --- | --- | --- | --- | | Simplify These | (a) | (b) | (c) | | | | 3 |
| 9(a) | |  |  |  |  | | --- | --- | --- | --- | | Multiply These | (a) | (b) | (c) | |  |  |  |  | | | | 6 |
| 9(b) | |  |  |  |  | | --- | --- | --- | --- | | Multiply These | (a) | (b) | (c) | |  |  |  |  | | | | 6 |
| 10(a) | |  |  |  |  | | --- | --- | --- | --- | | Rationalise the denominator | (a) | (b) | (c) | | | | 4 |
| 10(b) | |  |  |  | | --- | --- | --- | | Rationalise the denominator | (a) | (b) | | | | 4 |